

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 2    | ("4630949" "4789259").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/06/14 16:44 |
| S2    | 1    | "20050179191"  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2007/06/14 17:22 |
| S3    | 188  | 271/306.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/06/14 17:23 |
| S4    | 6382 | "271".clas. and motor and (clutch or mechanism) and speed and direction  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/06/14 17:26 |
| S5    | 3808 | "271".clas. and motor and (clutch or mechanism) and speed and (direction or path) and feed\$3 and (print\$3 or image form\$3)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2007/06/14 17:31 |
| S6    | 2432 | "271".clas. and motor and (clutch or mechanism) and speed and (direction or path) and feed\$3 and (print\$3 or image form\$3) and change | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2007/06/14 17:30 |
| S7    | 17   | 271/306.ccls. and motor and (clutch or mechanism) and speed and (direction or path) and feed\$3 and (print\$3 or image form\$3)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2007/06/18 09:25 |
| S8    | 2    | "20050248081"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2007/06/14 17:44 |
| S9    | 704  | 271/184.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2007/06/18 09:25 |

## EAST Search History

|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| S10 | 201 | 271/4.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | ON | 2007/06/18 10:01 |
| S11 | 0   | "271".ccls. and ink jet and speed<br>and resolution  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/18 10:01 |
| S12 | 135 | "271".clas. and ink jet and speed<br>and resolution  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/18 10:02 |
| S13 | 136 | "271".clas. and (ink jet or dot<br>printer) and speed and resolution   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/18 10:48 |
| S14 | 203 | 271/10.09.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/21 15:24 |
| S15 | 16  | ("4798374"   "4846456"  <br>"4905054"   "4975749"   "4979727"<br>  "4984779"   "5016061"  <br>"5054768"   "5083766"   "5228669"<br>  "5296908"   "5308054"  <br>"5392092"   "6234470"   "6354584"<br>  "6547235").PN. OR ("6811151").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | ON | 2007/06/18 12:42 |
| S16 | 14  | ("4929105"   "5169136"  <br>"5238235").PN. OR ("5480132").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | ON | 2007/06/18 15:53 |
| S17 | 31  | 271/10.09.ccls. and (reverse or<br>retract\$3) and speed   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/18 17:33 |
| S18 | 39  | 271/10.09.ccls. and (reverse or<br>retract\$3 or opposite direction) and<br>speed  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/18 16:03 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S19 | 42   | ("3966198"   "4313124"   "4345262"   "4459600"   "4463359"   "4529188"   "4544294"   "4558333"   "4581618"   "4608577"   "4638987"   "4691911"   "4721297"   "4723129"   "4740796"   "4798374"   "4866531"   "4884909"   "4953037"   "5118090"   "5138343"   "5141346"   "5184902"   "5211690"   "5226639"   "5370380"   "5523858").PN. OR ("5793399").URPN. | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/18 16:31 |
| S20 | 70   | 271/10.09.ccls. and speed  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/18 17:40 |
| S21 | 1729 | "271".clas. and speed and (quality or resolution) and high   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/18 17:42 |
| S22 | 621  | "271".clas. and speed and (quality or resolution) and high and motor and (transmission or mechanism) and (reverse direction or retract\$3 or different direction or opposite direction)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/18 17:45 |
| S23 | 115  | "271".clas. and speed and (quality or resolution) and high and motor and (transmission or mechanism) and (reverse direction or retract\$3 or different direction or opposite direction) and ink jet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/18 17:46 |
| S24 | 115  | "271".clas. and speed and (quality or resolution) and high and motor and (transmission or mechanism) and (reverse direction or retract\$3 or different direction or opposite direction) and (ink jet or ink-jet)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/18 18:22 |
| S25 | 7    | ("3981497"   "5465949"   "5924686"   "5971388"   "5996993").PN. OR ("6135439").URPN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/18 18:07 |
| S26 | 520  | 271/10.11.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 16:19 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S27 | 297  | "271".clas. and high speed and (high resolution or high quality)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/19 09:39 |
| S28 | 64   | "271".clas. and high speed and (high resolution or high quality) and motor and transmission  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/19 09:53 |
| S29 | 3    | ("20030174355"   "6189395"   "6736502").PN. OR ("7154639").URPN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/19 09:43 |
| S30 | 13   | ("1336796"   "1515850"   "4377337"   "4965638"   "5643129"   "5831749"   "5845180"   "5926290"   "6002508").PN. OR ("6189395").URPN. | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/19 09:46 |
| S31 | 159  | "271".clas. and high speed and (high resolution or high quality) and motor and printer   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/19 10:09 |
| S32 | 71   | 271/10.12.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/19 10:09 |
| S33 | 1376 | 347/104.ccls.  | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/22 15:21 |
| S34 | 300  | 347/104.ccls. and high speed and (resolution or quality) and (transmission or quality)   | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/20 14:10 |
| S35 | 588  | 271/270.ccls.  | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/22 09:52 |
| S36 | 5    | ("4331328"   "4451027"   "4780745"   "5104110"   "6644660").PN. OR ("7150455").URPN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/20 12:19 |
| S37 | 214  | 271/270.ccls. and high speed   | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/20 12:54 |

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|     |      |   |   |     |    |                  |
|-----|------|---|---|-----|----|------------------|
| S38 | 66   | ( "3825248"   "4077620"   "4085929"   "4171130"   "4299381"   "4302000"   "4331328"   "4451027"   "4541624"   "4595188"   "4615519"   "4634111"   "4787620"   "4867430"   "4893804"   "4955596"   "5044877"   "5056771"   "5074540"   "5092574"   "5116039"   "5119554"   "5121915"   "5129642"   "5163666"   "5197629"   "5197726"   "5238236"   "5244198"   "5246223"   "5257777"   "5290022"   "5292114"   "5295677"   "5297785"   "5299797"   "5299875"   "5335899"   "5423527"   "5429569"   "5441159"   "5443359"   "5456457"   "5476254"   "5518121"   "5564689"   "5575466"   "5575469"   "5657982"   "5689795"   "5692741"   "5692742"   "5772383"   "5794029"   "5829742"   "5833230"   "5941517"   "5947468"   "5971389").PN. OR ("6354583").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR  | ON | 2007/06/20 12:48 |
| S39 | 115  | 271/270.ccls. and high speed and motor and (print\$3 or recording)  | US-PGPUB;<br>USPAT;<br>USOCR                          | ADJ | ON | 2007/06/20 13:03 |
| S40 | 696  | 271/272.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                          | ADJ | ON | 2007/06/20 13:10 |
| S41 | 303  | 271/10.01.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                          | ADJ | ON | 2007/06/20 14:02 |
| S42 | 2276 | "271".clas. and control and high speed and motor and (transmission or mechanism)  | US-PGPUB;<br>USPAT;<br>USOCR                          | ADJ | ON | 2007/06/20 13:44 |
| S43 | 840  | "271".clas. and control and high speed and motor and (transmission or mechanism) and printer  | US-PGPUB;<br>USPAT;<br>USOCR                          | ADJ | ON | 2007/06/20 13:44 |
| S44 | 370  | 271/10.01.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/20 14:02 |
| S45 | 302  | 347/104.ccls. and high speed and (resolution or quality) and (transmission or quality)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/20 14:10 |

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|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S46 | 315  | 347/104.ccls. and high speed and (resolution or quality)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/20 14:10 |
| S47 | 554  | 271/3.14.ccls.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/20 16:12 |
| S48 | 34   | 271/3.14.ccls. and duplex  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR  | ON | 2007/06/20 16:13 |
| S49 | 66   | "271".clas. and (transmission or gear train) and (alternative path or different path or reverse path)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/20 16:27 |
| S50 | 14   | ("20030049046"   "4436404"   "5333728"   "5543909"   "5775690"   "5904350"   "5933697"   "6120019"   "6338481"   "6496660"   "6554216"   "6634634"   "6805347"   "6834853").PN. OR ("7063318").URPN. | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/20 16:32 |
| S51 | 0    | "271".ccls. and opposite (direction or path) and motor and (transmission or gear train)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 09:37 |
| S52 | 1111 | "271".clas. and opposite (direction or path) and motor and (transmission or gear train)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 09:38 |
| S53 | 763  | "271".clas. and opposite (direction or path) and motor and (transmission or gear train) and speed  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 11:12 |
| S54 | 1255 | "271".clas. and duplex   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 11:15 |
| S55 | 220  | "271".clas. and duplex and motor and (transmission or gear train or control speed)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 11:16 |

## EAST Search History

|     |       |   |   |     |    |                  |
|-----|-------|---|---|-----|----|------------------|
| S56 | 12    | ("4835567"   "4928127"   "4928150"   "5055885"   "5081508"   "5448348").PN. OR ("5974283").URPN.  | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/21 11:49 |
| S57 | 193   | "271".clas. and motor near10 (transmission or gear train) and compact and printer   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 15:25 |
| S58 | 1     | "5974283".pn.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/21 16:09 |
| S60 | 146   | "271".clas. and stepper motor and (transmission or gear train) and motor and (print\$3 or recording) and feed\$3  | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/21 16:11 |
| S61 | 721   | carriage and clutch and motor and (linkage\$1 or gear train or pinion) and (roller or picking mechanism) and ("271".clas. or "347".clas. or "399".clas.)                              | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/21 18:42 |
| S62 | 210   | carriage and clutch and motor and (linkage\$1 or gear train or pinion) and (roller or picking mechanism) and ("271".clas. or "347".clas.) and (ink jet or dot printers)               | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/21 19:02 |
| S63 | 15    | carriage and clutch and motor and (linkage\$1 or gear train or pinion) and (roller or picking mechanism) and ("271".clas. or "347".clas.) and (ink jet or dot printers) and printhead | US-PGPUB; USPAT; USOCR                    | ADJ | ON | 2007/06/21 19:02 |
| S64 | 5     | ("5841450"   "5971520"   "6027212"   "6132027"   "6371595").PN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/21 19:08 |
| S65 | 96    | 347/104.ccls. and clutch and carriage and motor and (transmission or gear train) and roller   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 19:19 |
| S66 | 2     | "4630949".pn. "4789259".pn.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/21 20:32 |
| S67 | 73565 | "271".clas. or "399".clas. or "347".clas. and worm and helical and motor and printer  | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/21 20:36 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S68 | 204  | ("271".clas. or "399".clas. or "347".clas.) and worm and helical and motor and printer   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2007/06/21 20:36 |
| S69 | 0    | motor (pinion or gear) and worm and wheel and "271".clas. and 347/104.clas.  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2007/06/22 08:12 |
| S70 | 55   | motor (pinion or gear) and worm and wheel and ("271".clas. or "347".clas.)   | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2007/06/22 08:12 |
| S71 | 6    | ("4835567"   "4928127"   "4928150"   "5055885"   "5081508"   "5448348").PN.  | US-PGPUB; USPAT; USOCR                          | OR  | ON | 2007/06/22 08:26 |
| S72 | 6674 | (changeover mechanism or transmission or gear train) and actuat\$3 and motor and printer and ("271".clas. or "347".clas.)  | US-PGPUB; USPAT; USOCR                          | OR  | ON | 2007/06/22 08:50 |
| S73 | 3228 | (changeover mechanism or transmission or gear train) and actuat\$3 and motor and printer and ("271".clas. or "347".clas.)  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2007/06/22 09:15 |
| S74 | 9    | 271/10.02.ccls. and sensor and print and (transmission or gear train or gear mechanism)  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2007/06/22 09:16 |
| S75 | 182  | 271/270.ccls. and actuat\$3  | US-PGPUB; USPAT; USOCR                          | ADJ | ON | 2007/06/22 09:53 |
| S76 | 13   | ("5351068"   "5442385"   "5455607"   "5527121"   "5568169"   "5619233"   "5659342"   "5678138"   "5812923"   "5853256"   "6048060"   "6173139").PN. OR ("6650436").URPN. | US-PGPUB; USPAT; USOCR                          | OR  | ON | 2007/06/22 10:18 |
| S77 | 1    | ("4566014").PN.  | US-PGPUB; USPAT; USOCR                          | OR  | ON | 2007/06/22 15:19 |
| S78 | 179  | 347/104.ccls. and speed and motor and clockwise and rollers  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT       | ADJ | ON | 2007/06/22 15:27 |
| S79 | 0    | 347/104.ccls. and speed and motor and clockwise and rollers and transmission ratio\$1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT       | ADJ | ON | 2007/06/22 15:27 |

## EAST Search History

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S80 | 40   | 347/104.ccls. and speed and motor and clockwise and rollers and ratio\$1   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 15:32 |
| S81 | 1173 | ("347".clas. or "271".clas.) and speed and motor and clockwise and rollers and ratio\$1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 15:49 |
| S82 | 535  | "74".clas. and printer   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 15:51 |
| S83 | 593  | 74/393.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 16:07 |
| S84 | 14   | ("3517574"   "4501169"   "4638337"   "4849774"   "5159854"   "5361217"   "5503586"   "5769748"   "5967677"   "6036174"   "6041990"   "6353957").PN. OR ("6499576").URPN. | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/22 15:56 |
| S85 | 0    | 271/114.clas.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 16:20 |
| S86 | 440  | 271/114.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2007/06/22 16:20 |
| S87 | 1    | ("5704606").URPN.  | USPAT                                     | OR  | ON | 2007/06/22 16:30 |
| S88 | 10   | ("3288461"   "4822023"   "4927130"   "5259607").PN. OR ("5423526").URPN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/22 16:36 |
| S89 | 14   | ("2791425"   "4645192").PN. OR ("4900003").URPN.   | US-PGPUB; USPAT; USOCR                    | OR  | ON | 2007/06/22 16:40 |
| S90 | 1    | EP-257527-\$.DID.  | US-PGPUB; USPAT; USOCR; DERWENT           | OR  | ON | 2007/06/26 08:15 |

## EAST Search History

|     |    |  |   |     |    |                  |
|-----|----|--|---|-----|----|------------------|
| S91 | 2  | change over gear and worm and motor (gear or pinion) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/26 08:41 |
| S92 | 57 | change over and worm and motor (gear or pinion)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/06/26 13:26 |